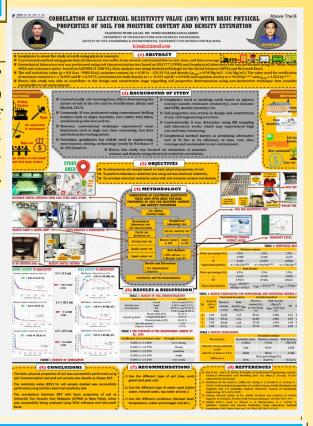
## 1st Prize for Best Poster Contest FYP Sem 1 2017/2018

by Dr Mohd Hazreek bin Zainal Abidin

inal year project seminar for semester 1 2017/2018 (FYP seminar, FKAAS) was successfully being organized on 20 December 2017 (Wednesday). Final year project is one of the compulsory course for all final year students with an aimed to train and exposed the students to the world of research. Student under JKIG staff supervision (Student: Taqiudin Mohd Jalani,

Supervisor: Dr. Mohd Hazreek Zainal Abidin) has won the first prize for the best poster contest at the end of the session. Congratulation to the students, SV and JKIG for the achievement. Furthermore, million thanks also goes to FKAAS higher management (Dean, Deputy Deans and Head of department), committee of FYP (Dr Nor Hayati Abd Ghafar and Co) and all related person for organizing the event smoothly and successful.





# Symposium on Geophysical Method in Engineering and Environmental Studies



by Dr Mohd Hazreek bin Zainal Abidin

Symposium on Geophysical Method in Engineering and Environmental Studies was organized by Faculty of Engineering Technology, Universiti Malaysia Pahang (UMP) on 17 and 18 of January 2018. Assoc. Prof. Dr. Aziman Madun and Dr Mohd Hazreek Zainal Abidin were invited as a

speaker during the session. The aim of this intellectual session is to share and discuss the experienced regarding geophysics in engineering and environmental studies. Participant joining the event were from industries and universi-

### **Geothermal Research Activity**

by Dr Mohd Hazreek bin Zainal Abidin

eothermal research using geophysical method at Sungai Gersik, Muar Johor was conducted by Department of Mineral and Geoscience Malaysia from 20 to 26 of January 2018. Representatives from JKIG, Faculty of Civil Engineering and Environment Engineering (Assoc. Prof. Dr. Aziman Madun and Dr. Mohd Hazreek Zainal Abidin) were invited to join and experience the exploration. Geophysical tools used during the research were electrical resistivity (ER) and transient electromagnetic (TEM). The aim of the research was to pro-



tect and preserve the existing hot spring due to the future planning and development of the surrounding areas.

## JKIG Academic Talk 1/2018- "Contaminated Soil Remediation and Electro-containment"

by PM Dr Felix Ling Ngee Leh

epartment of Infrastructure and Geomatic Engineering (JKIG), FKAAS had successful organized its first academic (JKIG), FKAAS had successful organized its first academic talk on 18 March 2018 (Sunday). The title of the academic Contaminated Soil talk is "Contaminated Soil Remediation and Electrotalk is "Contaminated Soil Remediation and Electro-containment". The talk is delivered by Dr. Maria Elektorowicz from Concordia University, Canada. Dr. Maria Elektorowicz is the Professor in Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building, Civil and Environmental Engineering in the Department of Building in the Building ronmental Engineering at Concordia University. She also worked at McGill (Canada), Algeria, Australia and Poland. She graduated from the Warsaw Institute of Technology (Poland). She has been investigated electrokinetic phenomena and their various applications during last 25 years leading to many publications and over 20 patents and registered inventions.

18 MARCH 2018 2.00 P.M -4.30 P.M

BY PROF. MARIA ELEKTOROWICZ CONCORDIA UNIVERSITY, CANADA VENUE: BILIK TAKLIMAT. **FKAAS** ORGANIZED BY: JKIG, FKAAS, UTHM

# **FREE ADMISSION**

The organizer - Assoc. Prof. Dr. Aziman Madun, Head of JKIG rewarding speaker with souvenir during welcoming section

Banner of JKIG Academic Talk 1/2018 wicz served as a Chair of the RESOL (network of researchers for contaminated soil) in Quebec and the Environmental Division of Canadian Society for Civil Engineering as well as a Director of Departmental Graduate and Undergraduate Programs. She is the recipient of many international and national awards including the Albert E. Berry Medal - the highest Canadian recognition

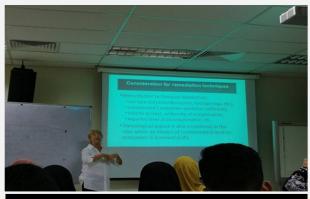
Environmental Engineering.

r. Elektoro-

talk was

dun, Dr. Felix

tended by 31 students who are taking subject Geo-environment and also some postgraduate students who are involved in relevant research. Apart of it, some of the lecturers also attended the talk namely Prof. Dr. Ahmad Tarmizi bin Abdul Karim, Prof. Dr. Ir. Amir Hashim bin Mohd. Kassim, Assoc. Prof. Dr. Aziman Ma-



Invited speaker Prof. Dr. Maria Elektorowicz while

The UTHM representative – Prof. Dr. Ahmad Tarmizi rewarding speaker with souvenir and certificate of appreciation

Ling Ngee Leh, Dr. Azra Munirah bt. Mat Daud, Dr. Nur Shaylinda bt Mohd Zin and Dr. Mohd Khaidir bin Abu Talib. The audience were exposed to different important aspects that designer needs to consider when handling contaminated site and also design electro-containment system. In addition to it, Dr. Elektorowicz also shared some of the on-going electro-containment research in her university.

t the end of the talk, the speaker has been rewarded with some souvenir and certificate of appreciation as a token of appreciation. The industrial talk was successfully in educating the audience on the current development in electro-containment.

# Slope Monitoring of KTMB Railway Track from Gemas to Krai with SPAD

# by PM Dr Aziman bin Madun

n 20<sup>th</sup> to 22<sup>th</sup> March 2018, Keretapi Tanah Melayu Berhad (KTMB) and Land Transport Public Commission (SPAD) conducted an inspection for main rail track for East Coast line. SPAD has invited Universiti Tun Hussein Onn Malaysia (UTHM) to take part in the inspection trip as part of research collaboration between SPAD-UTHM in railway engineering. This research collaboration focusing on the slope assessment along the East Coast line (Gemas to Krai) which accounted about 442Km.





THM's collaboration research team lead by Dr Nor Azizi Yusof, and members by Associate Professor Dr. Aziman Madun (Lecturer), En. Adi Hizami bin Mohammad Tamin (PhD student) and Noor Fitriah Faaizin binti Abdul Latif and A'isyah Mardhiyyah binti Shaharoshaha (undergraduate students). Two representatives from SPAD, Encik Mohd Ramzan bin Hj Ahmad and Encik Shawal Ismail were responsible for the track inspection. The aim of the trip were to monitor the track condition and assessing the slope condition. This journey has experienced travelling using mini train.



# **Research Collaboration with JPS Batu Pahat**

by PM Dr Aziman bin Madun

series of meeting with the Drainage and Irrigation Department (JPS) Batu Pahat was led by the district engineer of Batu Pahat, En. Mohamad Asnawi and engineer Puan Maisara with

UTHM team. The team comprises of lecturers: Prof. Ir. Dr. Amir Hashim Bin Mohd Kassim, Dr. Nor Azizi bin Yusof, Assoc. Prof. Dr. Aziman bin Madun, Dr. Mohd Azlan Bin Mohd Yusoff, Dr. Mohd Khaidir bin Abu Talib and the final year students: Pettruss Gudam and Nur Amanina. The study is on bund assessment along the coastal line and river water quality. Photo below shows the rock bund at



UTHM team with JPS district engineer

Pantai Sungai Lurus, Senggarang, Johor. Group photo taken together with Prof. Dr. Maria Rock Bund at Pantai Sungai Lurus Elektorowicz after academic talk Electrical resistivity (ER) Hot spring Sungat Gerisek, Muar, Johor